



1           6.    An article comprising a medium storing  
2   instructions that enable a processor-based system to:  
3               determine a color gamut that a substantial  
4   portion of the sub-pixels of an expressed color of an  
5   organic light emitting device display are able to achieve;  
6   and  
7               adjust the drive current to the sub-pixels to  
8   achieve that color gamut.

1           7.    The article of claim 6 further storing  
2   instructions that enable the processor-based system to  
3   determine a color gamut that all of the sub-pixels of an  
4   expressed color gamut can achieve and adjust the drive  
5   current to achieve that color gamut.

1           8.    The article of claim 6 further storing  
2   instructions that enable the processor-based system to  
3   maintain said gamut substantially constant over the  
4   lifetime of said display.

1           9.    The article of claim 6 further storing  
2   instructions that enable the processor-based system to  
3   maintain said gamut substantially constant by mixing a  
4   first or second sub-pixel color with an expressed color  
5   pixel to adjust the color of the expressed color pixel.

1           10. The article of claim 6 further storing  
2 instructions that enable the processor-based system to mix  
3 colors of a tri-color space to achieve said color gamut.

1           11. An electrical system for an organic light  
2 emitting device display comprising:  
3           a drive circuit to drive the pixels of said  
4 display;  
5           a processor coupled to said drive circuit; and  
6           a storage coupled to said processor, said storage  
7 storing instructions that enable the processor to determine  
8 a color gamut that a substantial portion of the sub-pixel  
9 of an expressed color gamut of an organic light emitting  
10 device display are able to achieve and adjust the drive  
11 current to the sub-pixels to achieve that color gamut.

1           12. The system of claim 11 wherein said storage  
2 stores instructions that enable the system to determine a  
3 color gamut that all of the sub-pixels of an expressed  
4 color gamut can achieve and adjust the drive current to  
5 achieve that color gamut.

1           13. The system of claim 11 wherein said storage  
2 stores instructions that enable the system to maintain said  
3 color triangles substantially constant over the lifetime of  
4 the display.

1           14. The system of claim 11 wherein said storage  
2 stores instructions that enable the system to maintain the  
3 gamut substantially constant by mixing a first or second  
4 sub-pixel color with an expressed color pixel to adjust the  
5 color of the expressed color pixel.

1           15. The system of claim 10 wherein said storage  
2 stores instructions that enable the system to mix colors of  
3 a tri-color color space to achieve said color gamut.

1           16. A display comprising:  
2               a plurality of organic light emitting sub-pixels  
3 of at least three colors;  
4               a drive circuit for driving said sub-pixels to  
5 emit light; and  
6               a controller to control said drive current to  
7 determine a color gamut that a substantial portion of the  
8 sub-pixels of an expressed color gamut of said display are  
9 able to achieve and adjust the drive current to the  
10 sub-pixels to achieve that color gamut.

1           17. The display of claim 16 wherein said sub-pixels  
2 include conjugated polymers.

1           18. The display of claim 16 wherein said sub-pixels  
2 include a film including small molecules.

1           19. The display of claim 16 wherein said display  
2 includes sub-pixels in the form of a stacked layer.

1           20. The display of claim 16 including a substrate  
2 wherein said sub-pixels are distributed side-by-side across  
3 said substrate.

1           21. The display of claim 16 wherein said controller  
2 determines a color gamut that all of the sub-pixels of an  
3 expressed color gamut can achieve and adjusts the drive  
4 current to achieve that color gamut.